

**WHAT IS CLAIMED IS:**

1. An electronic component rack assembly, comprising:
  - a rack housing having a width  $W_r$ , where  $W_r$  is equal to about 24 inches;
  - a group of  $N$  number of electronic components mounted side-by-side, upright in a series of spaced-apart vertical planes on the rack housing;
  - said components being spaced apart by a distance  $W_b$ , where  $W_b$  is equal to about 1.93 inches, and where  $N$  is an integer number equal to either 11 or 12.
2. An electronic component rack assembly according to claim 1, further including another group of  $N$  number of electronic components mounted side-by-side upright in a series of spaced-apart vertical planes on the rack housing opposite to the first-mentioned group of components in a back-to-back registration;
  - a power distribution unit extending transversely to said vertical planes between the first-mentioned and second electronic components to provide electrical power thereto;
  - wherein each one of the first-mentioned and said second electronic components has a depth  $D_b$ , and said unit has thickness  $t$ ; and
  - wherein the depth of the rack housing is  $D_r$ , where  $D_r$  is equal to  $2D_b(t)$ .
3. An electronic component rack assembly according to claim 2, wherein each of said electronic components has a height equal to  $H_b$ , where  $H_b$  is equal to about 19.38 inches.
4. An electronic component rack assembly according to claim 3, wherein said rack housing includes a series of pairs of upper and lower component guides, said guides being spaced apart by a distance  $W_b$ .
5. An electronic component rack assembly according to claim 1, further including a power distribution unit extending transversely to said vertical planes at the rear of said electronic components, said unit having a series of  $N$  number of spaced-apart outlets for supplying electrical power to individual ones of the

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electronic components, each of said outlets being spaced from a holder for its electronic component by a distance  $s$ .

6. An electronic component rack assembly according to claim 5, wherein said rack includes a series of pairs of vertically spaced-apart latch openings for helping to secure said components releaseably to said rack, each one of said pairs of openings being disposed in vertical alignment with an outlet.

7. An assembly according to claim 1, wherein the depth  $Db$  of said electronic component is 16.8 inches.

8. An assembly according to claim 6, wherein the upper one of said openings is located at a height  $H_p$  relative to said unit outlet equal to 1.344 inches.

9. An assembly according to claim 6, wherein said openings are spaced horizontally from guides by a spacing  $Sh$  equal to 0.95 inch.

10. An assembly according to claim 6, wherein the lower one of said openings is located at a height  $H_h$  equal to 0.46 inch.

11. An assembly according to claim 1, wherein the depth of the assembly is between about 36 inches and about 38 inches.

12. A method of making an electronic component rack assembly, comprising providing a rack assembly according to the dimensions according to claim 1.